

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An image forming method, which comprises:
two or more toner image forming processes comprising at least
electrifying the surface of a latent image-carrier;
forming a latent image on the surface of the electrified latent image-carrier;
and
forming a toner image by developing the latent image formed on the surface of
the latent image-carrier with an electrostatic image developer, which is stored in a developing
device and contains a toner and a carrier,
wherein in at least one of the two or more toner image forming processes, the
development is performed while appropriately supplying a supplementary developer
containing a toner and a carrier to a developing device, and collecting excess electrostatic
image developer that appears in the developing device due to the supplying of the
supplementary developer,
and an image is formed on a transfer receiving material by overlaying a toner
image, the overlaying comprising successively overlaying a toner image formed by each of
the two or more toner image forming processes,
and a circularity of a toner particles contained in at least the supplementary
developer is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less,
wherein the first ratio is ~~defined as a number of particles comprising a ratio of a number of~~
particles having a circularity of 0.970 or greater of a group of particles comprising among
particles having a diameter less than or equal to 3/5 of a specific circle-equivalent diameter to
a total number of particles having a diameter less than or equal to 3/5 of the specific circle-

equivalent diameter; and a second ratio ~~of a number of particles~~ is 10% or less, wherein the second ratio is ~~defined as a number of particles comprising a ratio of a number of particles~~ having a circularity of 0.950 or less of a group of particles comprising among particles having a diameter greater than or equal to 7/5 times a of the specific toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to 7/5 of the specific circle-equivalent diameter.

2. (Currently Amended) An image forming method according to claim 1, wherein an unused developer is stored in the developing device, and a circularity of ~~a toner particles~~ contained in the unused developer is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less, wherein the first ratio is ~~defined as a number of particles comprising a ratio of a number of particles having a circularity of 0.970 or greater of a group of particles comprising among particles having a diameter less than or equal to 3/5 of a the specific circle-equivalent diameter to a total number of particles having a diameter less than or equal to 3/5 of the specific circle-equivalent diameter~~; and a second ratio ~~of a number of particles~~ is 10% or less, wherein the second ratio is ~~defined as a number of particles comprising a ratio or a number of particles having a circularity of 0.950 or less of a group of particles comprising among particles having a diameter greater than or equal to 7/5 times a of the specific toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to 7/5 of the specific circle-equivalent diameter.~~

3. (Currently Amended) An image forming method according to claim 1, wherein a volume average particle diameter of a toner contained in the supplementary developer is in the range of 3 to 10 ~~mm~~ um; a volume average particle size distribution index GSD (v) is 1.25 or less; a number average particle size distribution index GSD (p) is 1.25 or less; and a lower side number average particle diameter distribution index GSD (punder) is 1.27 or less.

4. (Previously Presented) An image forming method according to claim 1, wherein at least fine inorganic particles are added to the surface of the toner contained in the supplementary developer; a flowability index (compression ratio) G1 of the toner having fine inorganic particles added to the surface thereof is in the range of 0.32 to 0.45; and a ratio of the flowability index (compression ratio) G1 relative to a flowability index (compression ratio) G2 ($G1/G2$) after the toner having fine inorganic particles is mixed with fine magnetic metal particles, the surfaces of which are covered with an organic layer, and the mixture is stirred at an angular frequency of 30 rad/s or more for 60 minutes, is 0.63 or more.

5. (Original) An image forming method according to claim 1, wherein a dielectric constant ϵ' of a toner contained in the supplementary developer is in the range of 1.0 to 2.7, and a dielectric loss tangent $\tan \delta$ of the toner is in the range of 0.002 to 0.018.

6. (Original) An image forming method according to claim 1, wherein the toner contained in at least the supplementary developer contains a releasing agent, and an exposure rate of the releasing agent on the toner surface quantified by X-ray photoelectron spectrometry (XPS) is in the range of 11 to 40 atm%.

7. (Previously Presented) An image forming method according to claim 1, wherein image formation is performed at a constant process speed, which is switchable.

8. (Original) An image forming method according to claim 1, wherein the electrifying step is performed using a roll electrifying type electrifying equipment.

9. (Original) An image forming method according to claim 1, comprising a cleaning step for cleaning the surface of the latent image-carrier.

10. (Original) An image forming method according to claim 1, wherein the toner contained in the supplementary developer is produced by a wet process.

11. (Original) An image forming method according to claim 10, wherein the wet process comprises:

a first aggregating step of adding an aggregating agent to a mixture, which is obtained by mixing a first resin fine particle dispersion, in which first resin fine particles having an average particle diameter of 1 μ m or less are dispersed, a colorant dispersion, a releasing agent dispersion, and a dispersion in which fine inorganic particles are dispersed, so as to form core aggregated particles in the mixture;

a second aggregating step of forming a surface layer containing second resin fine particles on the surface of the core aggregated particles using a second resin fine particle dispersion in which the second resin fine particles are dispersed, to prepare core/shell-type aggregated particles; and

a fusing and coalescing step of fusing and coalescing the core/shell-type aggregated particles by heating the core/shell-type aggregated particles to a temperature higher than the glass transition temperatures of the first resin fine particles and the second resin fine particles.

12. (Original) An image forming method according to claim 10, wherein the aggregating agent comprises at least an aluminum compound containing aluminum ions, and the amount of the aluminum compound to be added relative to the total weight of toner-constituting solid matter contained in the mixture is in the range of 0.1 to 2.7% by weight.

13. (Original) An image forming method according to claim 1, wherein in all of the two or more toner image forming processes, the developing step of each toner image forming process is performed while appropriately supplying a supplementary developer containing a toner and a carrier to a developing device, and collecting excess electrostatic image developer that appears in the developing device due to the supplying of the supplementary developer.

14. (Currently Amended) An image forming apparatus which comprises at least:
two or more developing units provided with at least a latent image-carrier, an electrifying means for electrifying the surface of the latent image-carrier, latent image forming means for forming a latent image on the surface of the electrified latent image-carrier, and a developing device for storing an electrostatic image developer containing a toner and a carrier, wherein the developing device develops the latent image formed on the surface of the latent image-carrier with the electrostatic image developer, so as to form a toner image; and

a toner image overlaying means for successively overlaying a toner image, which is formed by each of the two or more developing units, onto a transfer receiving material,

wherein at least one of the two or more developing units is provided with at least a developer supplying means for appropriately supplying a supplementary developer containing a toner and a carrier to a developing device, and a developer collecting means for collecting excess electrostatic image developer that appears in the developing device due to the supplying of the supplementary developer, and

a circularity of a-toner particles contained in at least the supplementary developer is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less, wherein the first ratio is ~~defined as a number of particles comprising~~ a ratio of a number of particles having a circularity of 0.970 or greater of a group of particles comprising among particles having a diameter less than or equal to 3/5 of a specific circle-equivalent diameter to a total number of particles having a diameter less than or equal to 3/5 of the specific circle-equivalent diameter; and a second ratio ~~of a number of particles~~ is 10% or less, wherein the second ratio is ~~defined as a number of particles comprising~~ a ratio of a number particles having a circularity of 0.950 or less of a group of particles comprising among particles having

a diameter greater than or equal to $7/5$ ~~times a~~ of the specific toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to $7/5$ of the specific circle-equivalent diameter.

15. (Original) An image forming apparatus according to claim 14, wherein all of the two or more developing units are provided with the developer collecting means.

16. (Currently Amended) An image forming apparatus according to claim 14, wherein an unused developer is stored in the developing device in the two or more developing units;

a circularity of a-toner particles contained in the unused developer is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less, wherein the first ratio is ~~defined as a number of particles comprising a ratio of a number of particles having a~~ circularity of 0.970 or greater ~~of a group of particles comprising among particles having a~~ diameter less than or equal to $3/5$ of a ~~the specific circle-equivalent diameter to a total number of particles having a diameter less than or equal to $3/5$ of the specific circle-equivalent diameter~~; and a second ratio ~~of a number of particles~~ is 10% or less, wherein the second ratio is ~~defined as a number of particles comprising a ratio of a number of particles~~ a circularity of 0.950 or less ~~of a group of particles comprising among particles having a diameter greater than or equal to $7/5$ times a of the specific toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to $7/5$ of the specific toner circle-equivalent diameter~~.

17. (Currently Amended) A toner cartridge that is detachable from an image forming apparatus and which stores a supplementary developer containing a toner in which a circularity of toner particles is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less, wherein the first ratio is ~~defined as a number of particles comprising a ratio of a number of particles having a circularity of 0.970 or greater of a group of particles~~

~~comprising among particles having a diameter less than or equal to $3/5$ of a specific circle-equivalent diameter to a total number of particles having a diameter less than or equal to $3/5$ of the specific circle-equivalent diameter; and a second ratio of a number of particles is 10% or less, wherein the second ratio is defined as a number of particles comprising a ratio of a number of particles having a circularity of 0.950 or less of a group of particles comprising among particles having a diameter greater than or equal to $7/5$ times a of the specific toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to $7/5$ of the specific circle-equivalent diameter.~~

18. (Currently Amended) A toner cartridge used in an image forming apparatus, comprising at least:

two or more developing units provided with at least a latent image-carrier, an electrifying means for electrifying the surface of the latent image-carrier, latent image forming means for forming a latent image on the surface of the electrified latent image-carrier, and a developing device for storing an electrostatic image developer containing a toner and a carrier, wherein the developing device develops the latent image formed on the surface of the latent image-carrier with the electrostatic image developer, so as to form a toner image; and

a toner image overlaying means for successively overlaying a toner image, which is formed by each of the two or more developing units, onto a transfer receiving material,

wherein at least one of the two or more developing units is provided with at least a toner cartridge for storing a supplementary developer containing a toner and a carrier, and appropriately supplying the supplementary developer to a developing device; and a developer collecting means for collecting excess electrostatic image developer that appears in the developing device due to the supplying of the supplementary developer, and

a circularity of ~~a toner~~ particles contained in a supplementary developer stored in the toner cartridge is in the range of 0.940 to 0.980; a first ratio ~~of a number of particles~~ is 5% or less, wherein the first ratio is ~~defined as a number of particles comprising~~ a ratio of a number of particles having a circularity of 0.970 or greater of a group of particles comprising among particles having a diameter less than or equal to $\frac{3}{5}$ of a specific circle-equivalent diameter to a total number of particles having a diameter less than or equal to $\frac{3}{5}$ of the specific circle-equivalent diameter; and a second ratio ~~of a number of particles~~ is 10% or less, wherein the second ratio is ~~defined as a number of particles comprising~~ a ratio of a number of particles having a circularity of 0.950 or less of a group of particles comprising among particles having a diameter greater than or equal to $\frac{7}{5}$ times a of the specific a-toner circle-equivalent diameter to a total number of particles having a diameter greater than or equal to $\frac{7}{5}$ of the specific circle-equivalent diameter.